



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad-500043

MECHANICAL ENGINEERING

ATTAINMENT OF COURSE OUTCOME-ACTION TAKEN REPORT

Name of the faculty:	Dr. G.V.R. Seshagiri Rao	Department:	ME
Regulation:	IARE-R16	Batch:	2016 -2020
Course Name:	Machine Design	Course Code:	AME015
Semester:	VI	Target Value:	60% (1.8)

Attainment of COs:

Course Outcome		Direct attainment	Indirect attainment	Overall attainment	Observation
CO1	Outline the modes of lubrication, bearing terminology and its design procedures for static and dynamic loading of engineering applications.	2.30	2.40	2.3	Attainment Target reached
CO2	Develop the design methodology for automobile components like connecting rod, crank shaft, piston by applying the structural and thermal loads to meet the input design specifications for combined loading.	1.30	2.30	1.5	Attainment target not reached
CO3	Compare various power transmission drives such as belt, rope, chain drives and their typical design features and performance characteristics for efficient power transmission.	0.90	2.40	1.2	Attainment target not reached
CO4	Estimate the transmission efficiencies of chain drives for various engineering applications.	0.90	2.40	1.2	Attainment target not reached
CO5	Determine various load concentration factors of different gears based on dynamic, wear and thermal considerations for force analysis.	0.90	2.40	1.2	Attainment target not reached
CO6	Identify the different types of power screws and its terminology for automotive and industrial applications.	0.90	2.40	1.2	Attainment target not reached

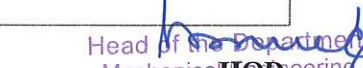
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Action taken report:

CO2: More practice required to solve design methodology for automobile components
CO3: More exercise has to be given for power transmission drives
CO4: Additional tutorial hours required to practice transmission efficiencies of chain drives
CO5: More exercise has to be given for dynamic, wear and thermal considerations for force analysis of gears
CO6: Extra tutorial hours essential to discuss the power screws and its terminology


Course Coordinator


Mentor


Head of the Department
Mechanical Engineering
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